

DO5000 Versatile

Dissolved Oxygen Controller / Transmitter



- NEMA4X, IP65 rated: waterproof and anti-gas.
- High protection against electromagnetic interference.
- Automatically compensates salinity / barometric after manual input for increased accuracy.
- Control modes: on / off limited control (LIT).
- Separately adjustable high and low set-points.
- Scalable isolated 4 -20 mA Outputs.
- Large LCD, with high luminance LED backlight.
- RS-485 output



Specification

Dissolved Oxygen	Range	0.0-400.0% , 0.00-40.00 mg/L
	Resolution	0.1% , 0.01 mg/L
	Accuracy	0.0-40.0 ppt
	Salinity Compensation	±0.2% F.S.
	Temperature Compensation	0.0-50.0 °C
	Pressure Compensation	600-2000 mBar
Temperature	Range	-10.0-110.0 °C
	Resolution	0.1 °C
	Accuracy	±0.3 °C
	Temperature Sensor	22 K
Signal Output	Temperature Compensation	Automatic
	Signal Output	4-20 mA (Adjustable)
	Current Accuracy	1% F.S.
	Load	< 500 Ω
Data interface	RS485	have
Relay Output	On/Off	2 SPST Relays
	Output	2.5A 230 VAC
	Cleaning/Alarm Relays	1X 2.5A
Others	Power	85~260 VAC or 24 VDC
	Working Temperature	0~60°C
	Humidity	< 90%
	IP Rated	IP65
	Installation	Panel Mounting
	Dimensions	(H×W×D) 108×108×158 mm
	Panel Cut Size	94.5×94.5 mm
Weight	0.5 kg	

CS4553 Dissolved Oxygen Sensor

Range: 0-40 mg/L	Thread: PG 13.5
Temp: 0 - 60 °C	Shell: SS316L, POM
Pressure: 0-4 bar	Min Flow: > 0.03 m/s
Response: < 60 s (95%, 25 °C)	Residual current: < 2% in air
Stabilizing time: 15 min - 20 min	Cable: 5m
Zero Drift: <0.5%	Free maintenance: no need to replace membrane cap.
OD: 12 mm	

